

FIG. 1

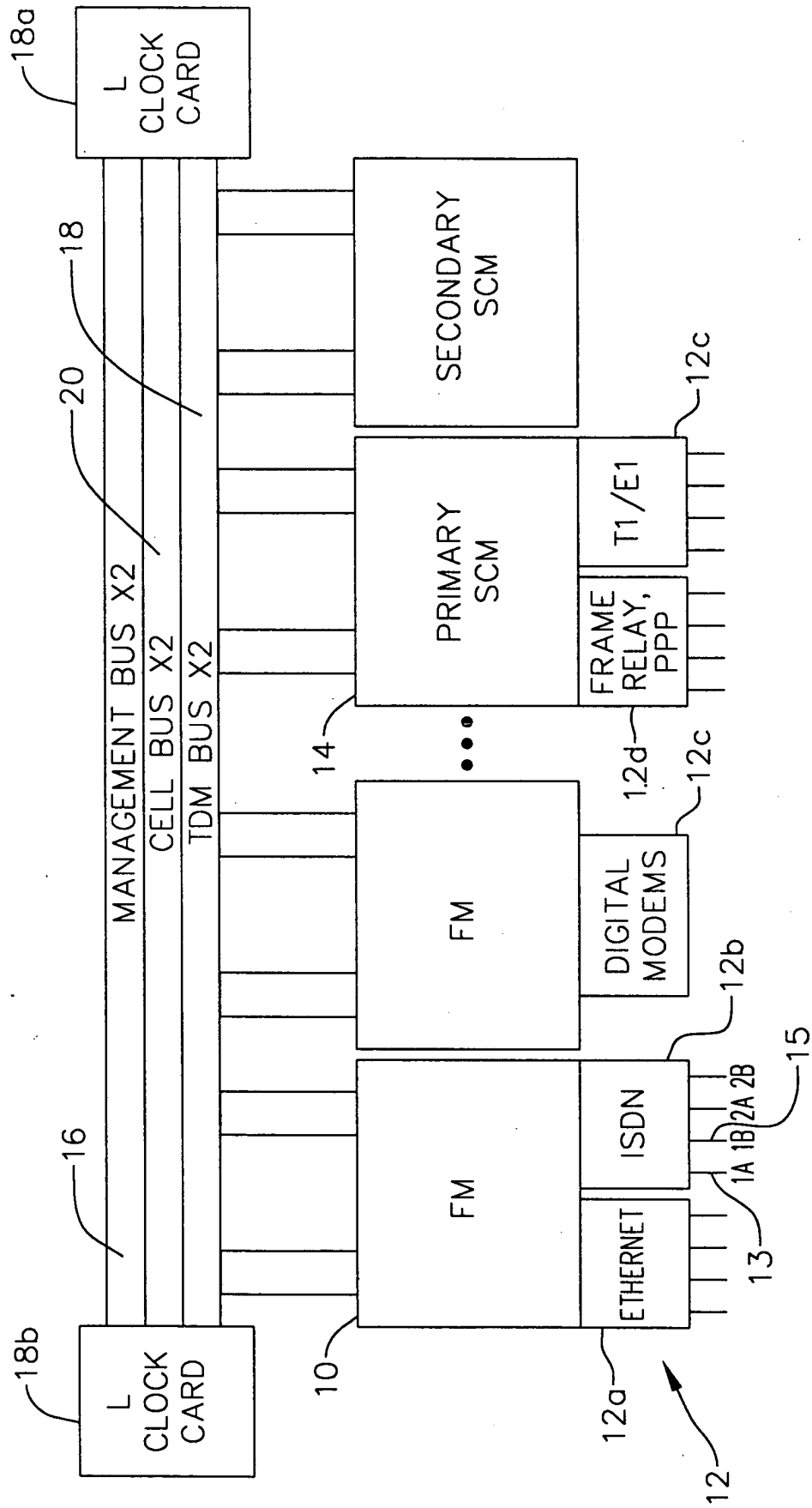
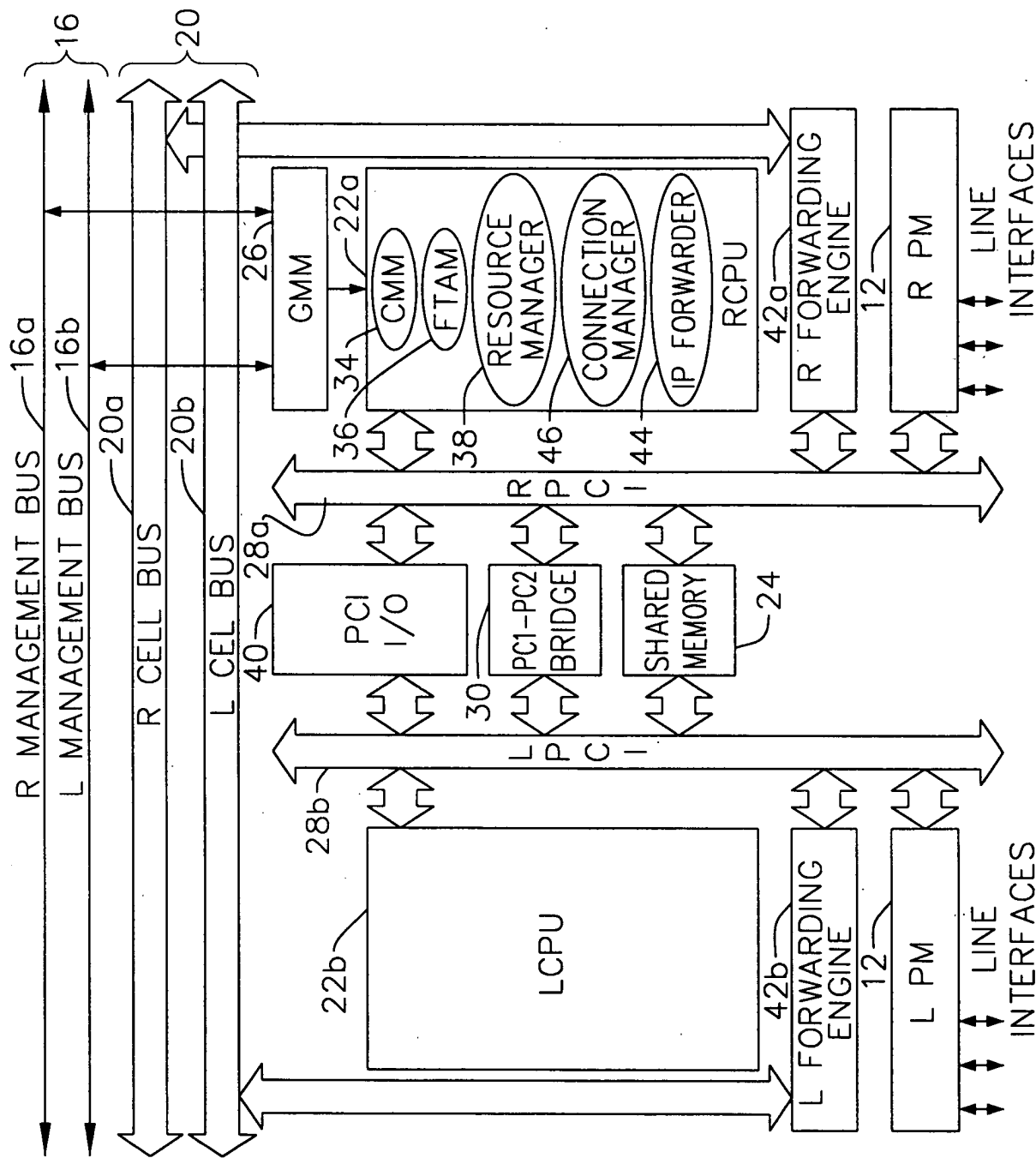
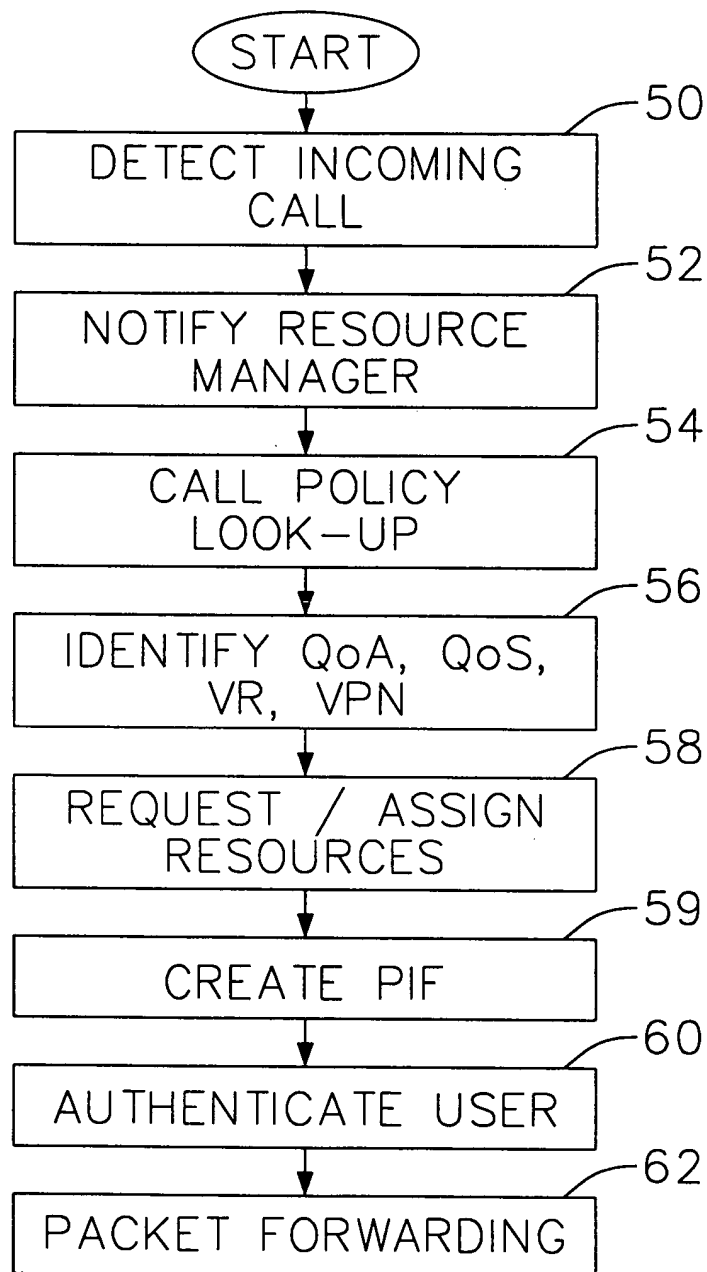


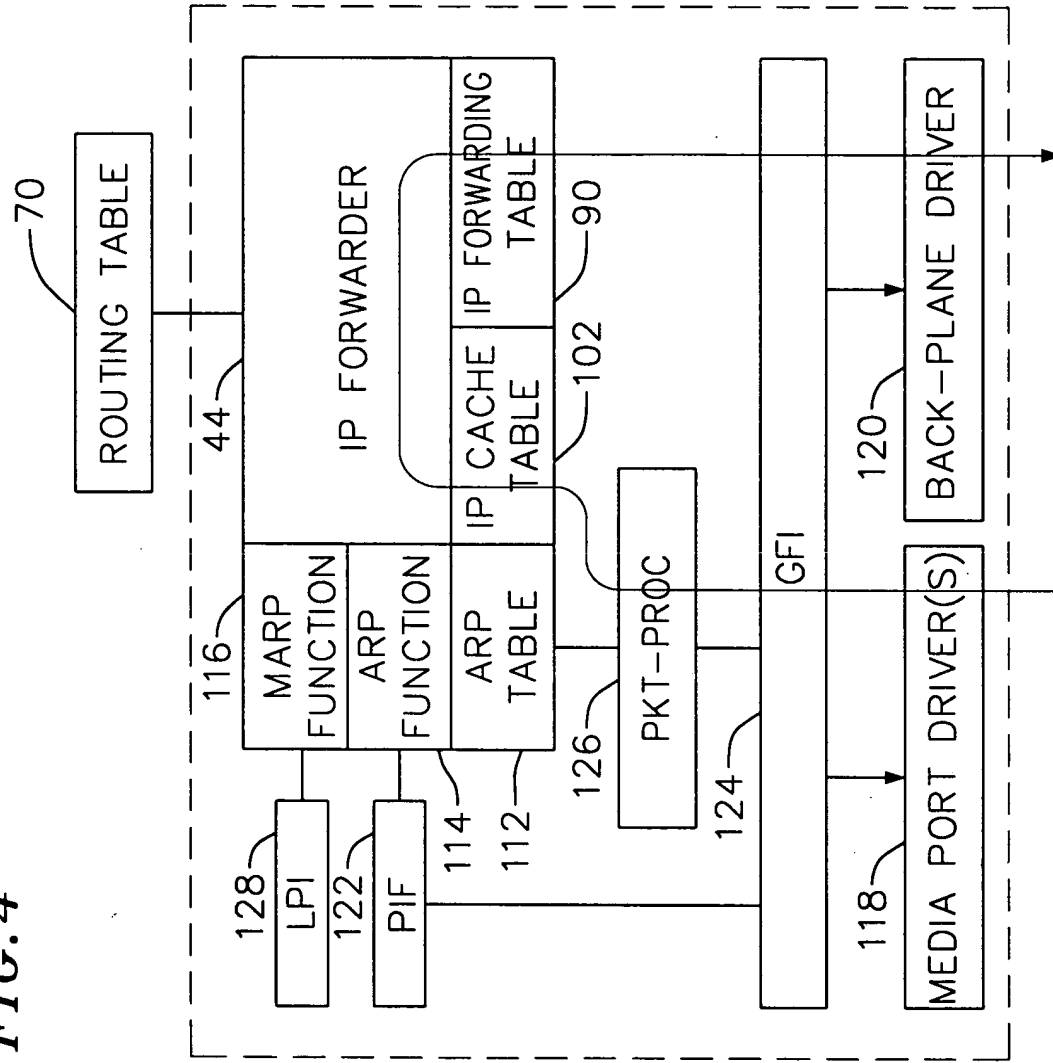
FIG. 2



*FIG. 3*



**FIG. 4**



Total Routes: 32

-77

-77

71.

1.

76.

22

U

70

Cost

**i**

2

11

11

20 2

20

20  
20

30

30

130

1

11

1.

1

11

11

12

20

11

110

1

1

1

Press Enter to Continue, Any other key followed by Enter to Abort:

Fig. 5

PRI-SCM:1.1>=2:netman:ip#\_view ipf

IP Forwarding Table:

Total IPF table entries: 12

92 Destination	94 Subnet Mask	96 Nexthop	98 Type	100 Flags(*)
10.3.238.1	255.255.255.255		SPORT	SD(r)
10.1.6.36	255.255.255.255		SPORT	M
10.1.6.35	255.255.255.255		SPORT	M
10.1.6.34	255.255.255.255		SPORT	M
10.1.6.33	255.255.255.255		SPORT	M
10.1.6.32	255.255.255.255		SPORT	M
10.1.6.31	255.255.255.255		SPORT	M
10.2.238.1	255.255.255.255		SPORT	SD(l)
10.1.6.30	255.255.255.255		SPORT	SD(l)
10.3.0.0	255.255.0.0		SPORT	PD(r)
10.2.0.0	255.255.0.0		SPORT	PD(l)
10.1.0.0	255.255.0.0		SPORT	PD(l)
0.0.0.0	0.0.0.0	206.169.142.9	SPORT	R

(\*) D: Direct (and l = local card only, r = remote card only),

S: System i/f, R: Remote, P: Supernet, F: Default, and M: Mgmt.

Actual IPF Table Entries: 12

Fig. 6

Total IP Cache Entries: 3

Destination <sup>104</sup>	Source <sup>106</sup>	Out Port <sup>108</sup>	Header <sup>110</sup>
207.200.77.45	206.169.114.138	Fr.1.5.2.3.1	08001000cca97211
206.169.114.	142 10.1.1.25	Mo.1.3.1.1.29	0800201dcca9728e
198.41.0.5	206.169.114.138	Fr.1.5.2.3.1	08000000cca97211

102

Fig. 7

**IP ARP Table:**

MAC Address

## Physical Port

Type(\*)

10.1.1.101

00-ff-4a-3d-2f-1a

En.1.3.1.1.1.

**S**

10.1.5.100

(0)-ff-ff-01-ff-20

En.1.3.2.1.1.

D

150.140.140.30

08-00-09-ff-65-ff

En.1.3.1.1.14

LB

147.128.128.60

08-00-09-ff-38-38

En.1.3.1.1.10

D

10.1.5.109

00-ff-ff-04-02-ff

En.1.3.2.1.8

D  
S

(\*) R: Rmt, L: Lcl, D: Dyn, S: Stat, P: Pt2Pt, T: Route and B: Bcast

Total Arp Table Entries: 5

Fig. 8



FIG. 9

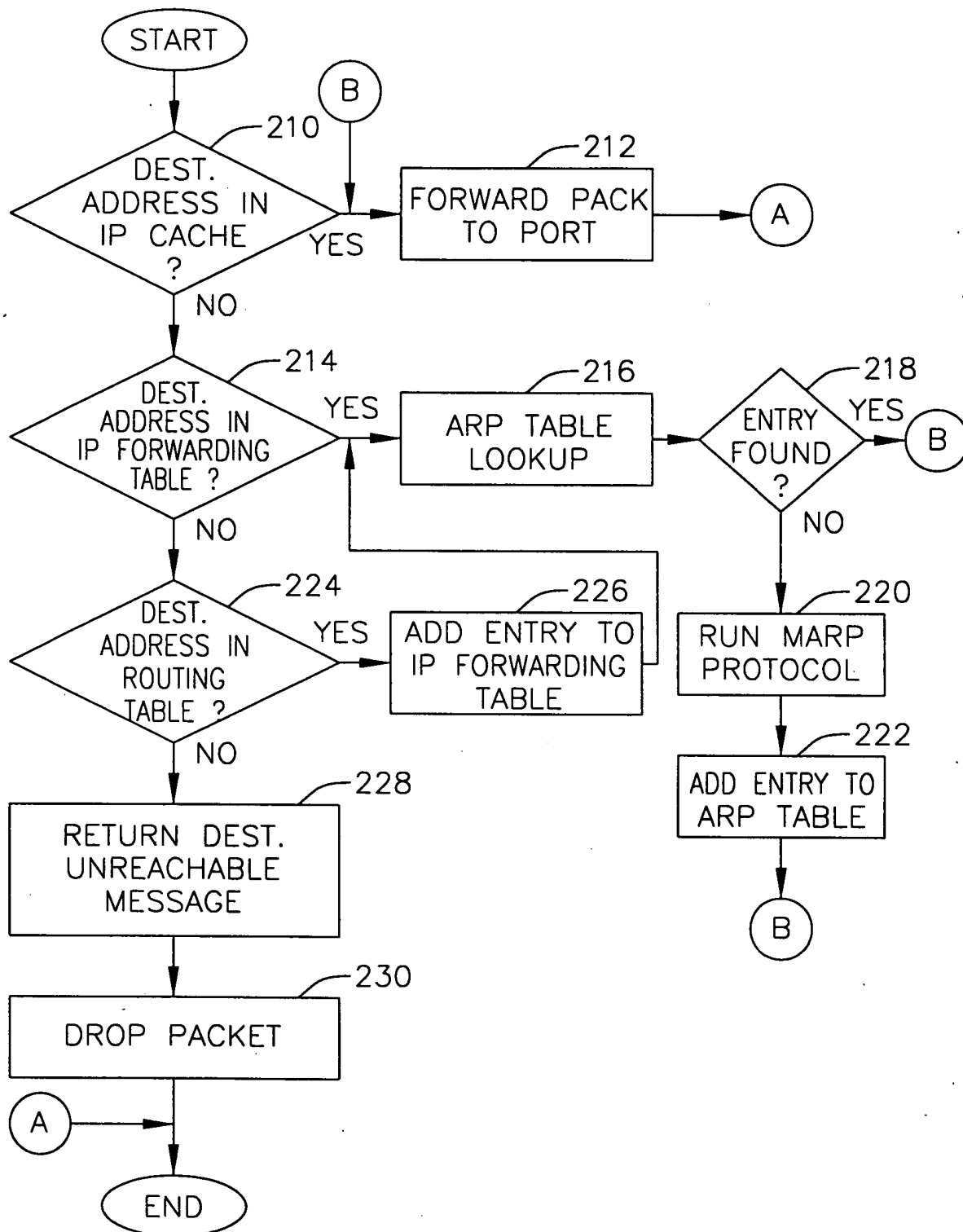


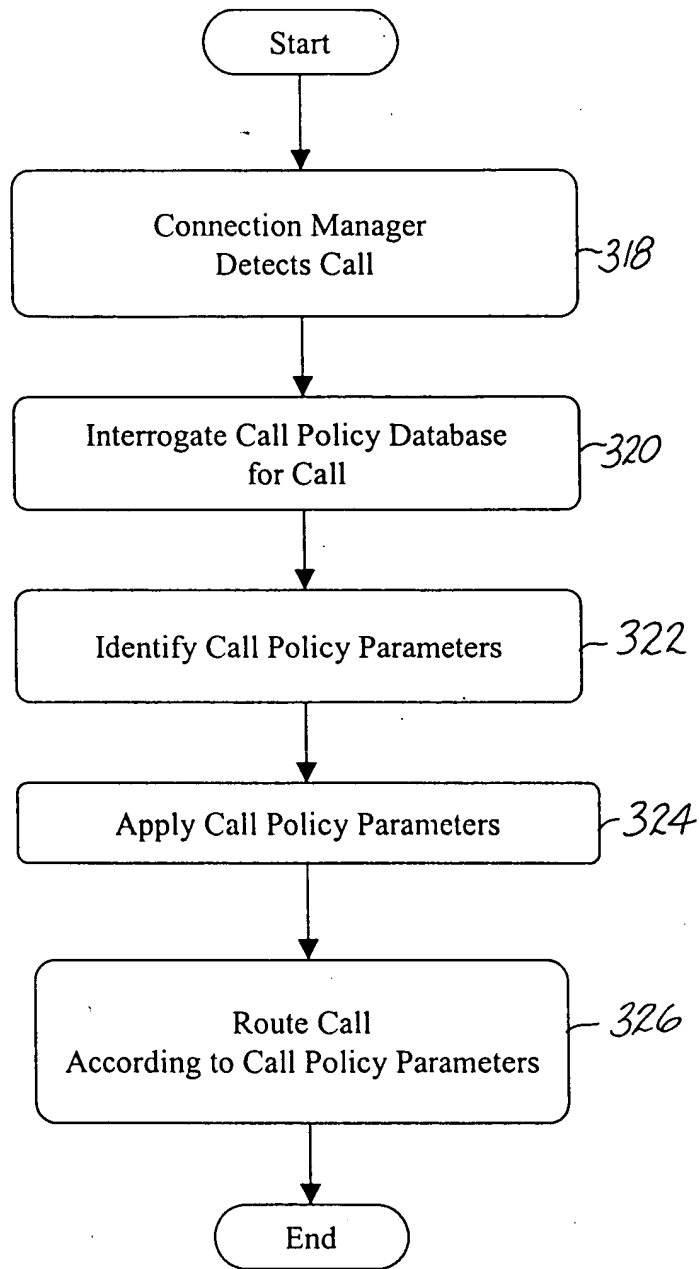
FIG. 10

DOMAIN NAME	NEXT HOP ROUTER
ISP1	206.169.142.9
ISP2	206.169.114.17
...	...
ISPN	206.169.152.3

FIG. 11

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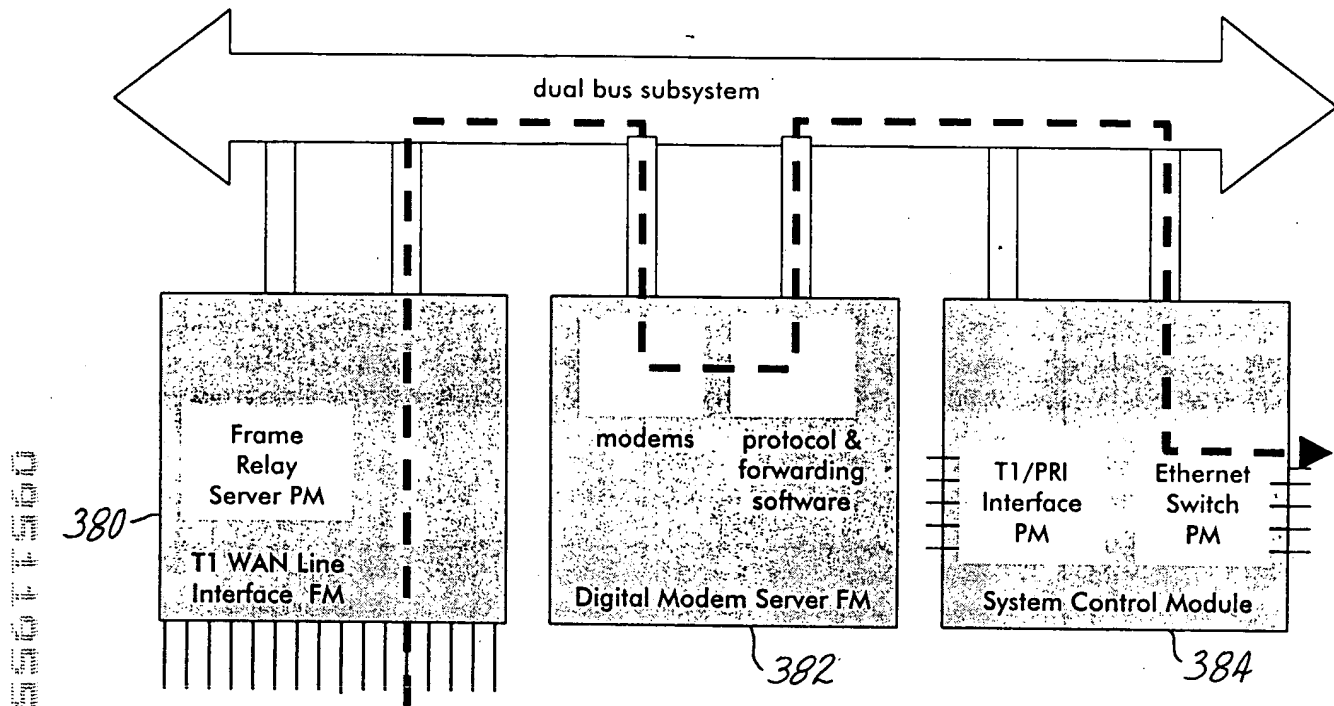
291	SEARCH KEY	CALLED- NUM.
292	SOURCE LINK	N/A
293	SOURCE CHANNEL	N/A
294	CALL TYPE:	MODEM
296	SERVICE TYPE:	PPP
298	QUALITY OF ACCESS:	1
300	QUALITY OF SERVICE:	1
302	VR ID:	1
304	VPN ID:	111
306	AUTH. SOURCE:	RADIUS
308	PRY DNS ADDR:	206.169.25.3
310	SCRY DNS ADDR:	206.169.25.100
312	PRY RADIUS SRVR:	10.1.125.26
314	SCRY RADIUS SRVR:	10.1.6.15
316	PHONE NUMBER	555-5555
318	DOMAIN ID	001



*Fig. 12*

FIG. 13

QoA LEVEL	ACCESS THRESHOLD
1	100 %
2	75 %
3	50 %
4	25 %



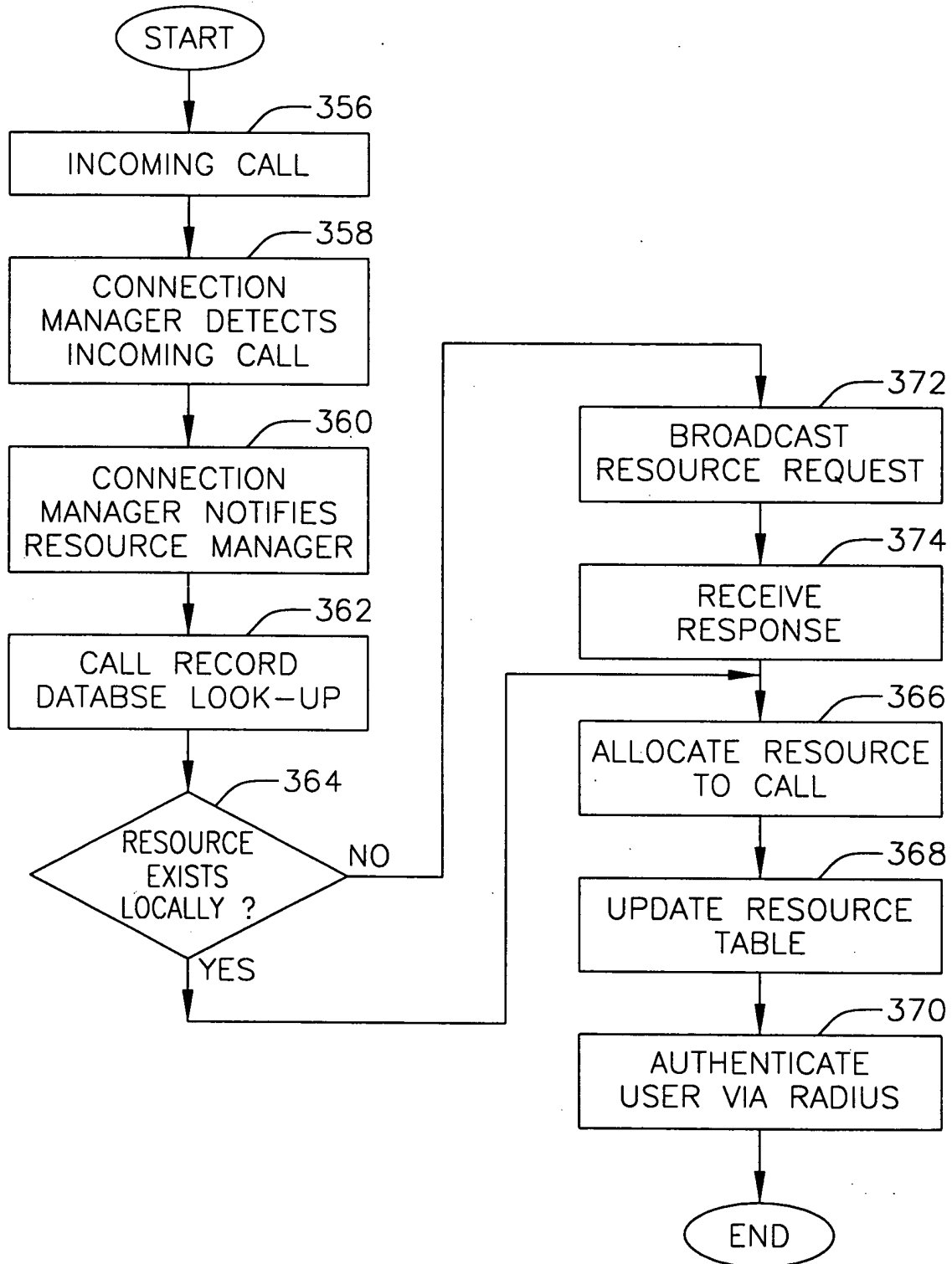
*Fig. 14*

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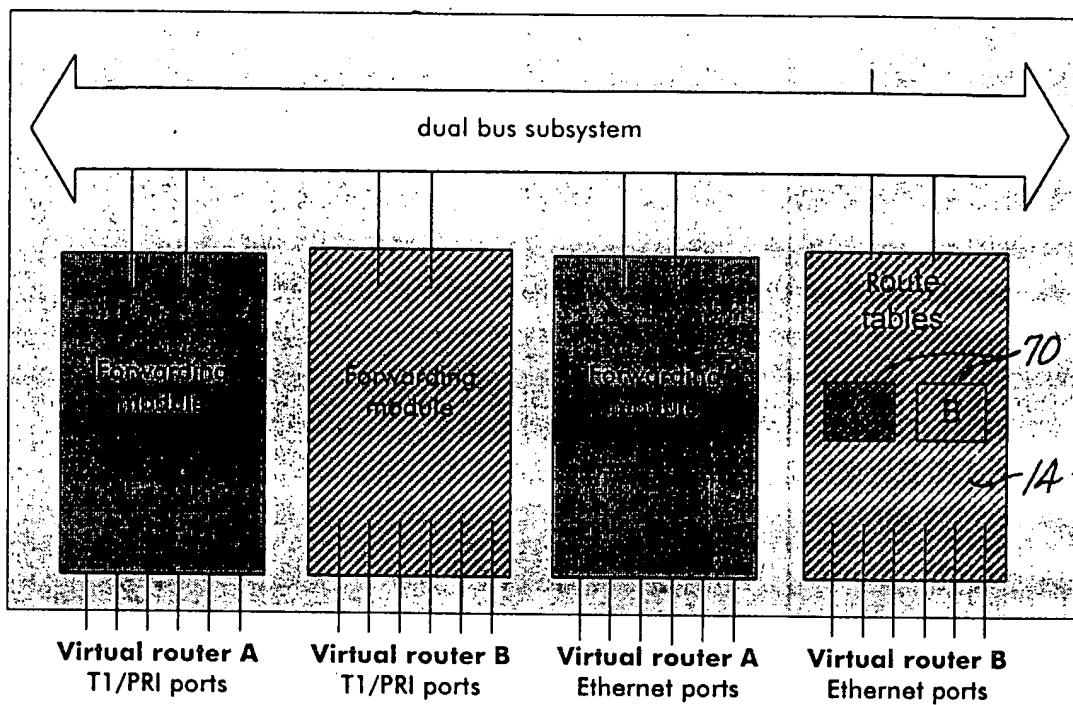
MODEM RESOURCES					
336	VR ID	= 111			
338	Max Local Resources	= 32			
340	Max Global Resources	= 32			
342	Current Local Resources	= 29			
344	Current Global Resources	= 29			
346	QOA	LOCAL QOA	GLOBAL QOA	ACCEPT LOCAL	ACCEPT GLOBAL
	-----	----- 348	----- 350	----- 352	----- 354
1	0	0		YES	YES
2	8	8		YES	YES
3	16	16		YES	YES
4	24	24		YES	YES

Fig. 15

*FIG. 16*







*Fig. 17*

240

242

IP VPN Sessions:

ID	VPN-ID	Source-Addr	Source-Mask	Dest-Addr	Dest-Mask
	244	246	248	250	252
1	111	any	any	10.1.0.0	255.255.0.0
2	any	10.1.0.0	255.255.0.0	208.227.214.0	255.255.255.0
3	any	10.1.0.0	255.255.0.0	10.1.0.0	255.255.0.0
4	any	10.1.0.0	255.255.0.0	206.169.114.128	255.255.255.192
5	any	any	any	10.1.0.0	255.255.0.0
6	any	10.1.0.0	255.255.0.0	any	any
7	any	any	any	any	any

Fig. 18

PRI-SCM:1.2>=14:netman:ip#

IP VPN Rules:

256-

ID	Pri	Action	IP-Proto	App-Proto	SessCnt	Pkt Count
---	---	---	---	---	---	---
1	1	Fwd	tcp	ftp	5	3939981
2	1	Drop	all	-	2	3

PRI-SCM:1.2>=14:netman:ip#

Fig. 19

270,

272~

PRI-SCM:1.1>=3:netman:ip# view ppn-filter

IP VPN List of rules attached to sessions:

SessID Rule List (In order of priority)

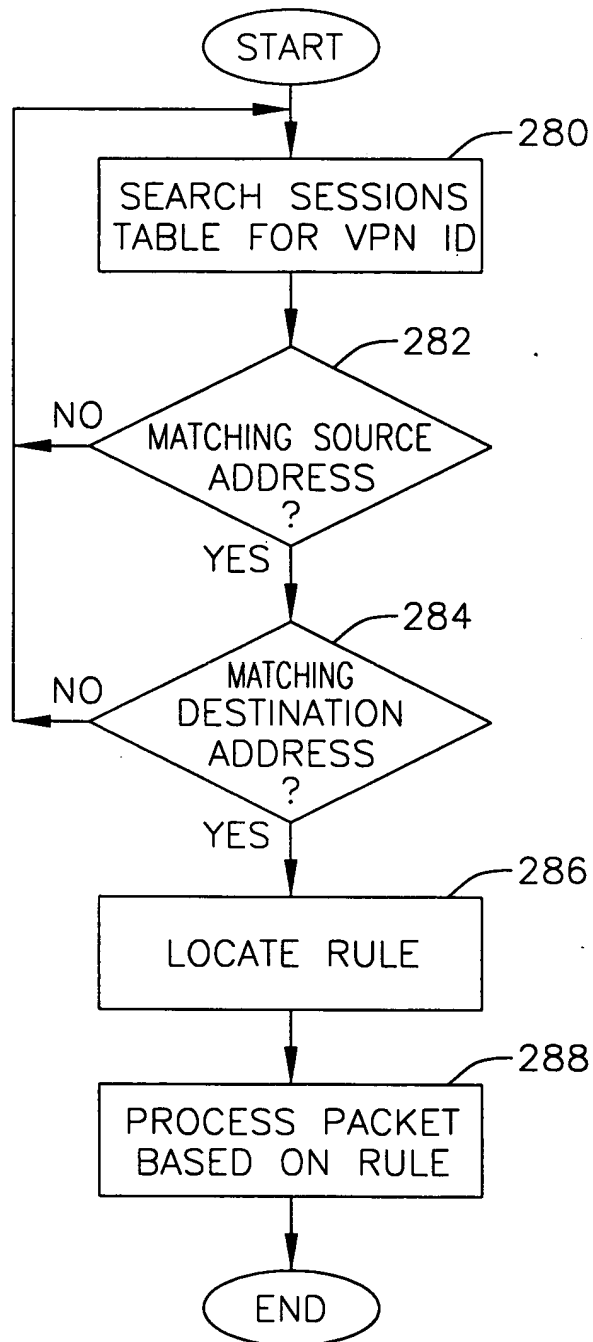
1	1
2	1
3	1
4	1
5	2
6	2
7	1

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PRI-SCM:1.1>=4:netman:ip#

Fig. 20

**FIG. 21**



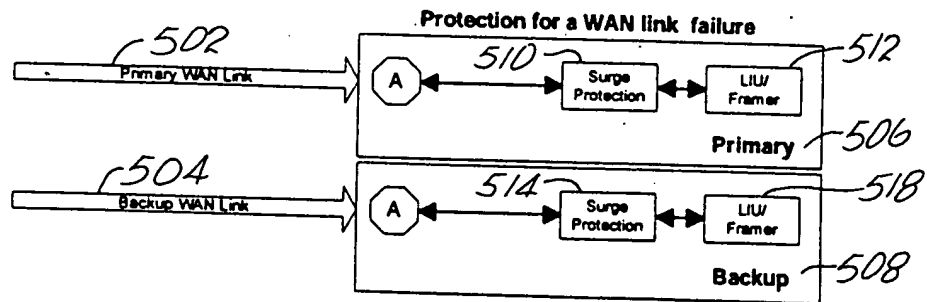


Fig. 22

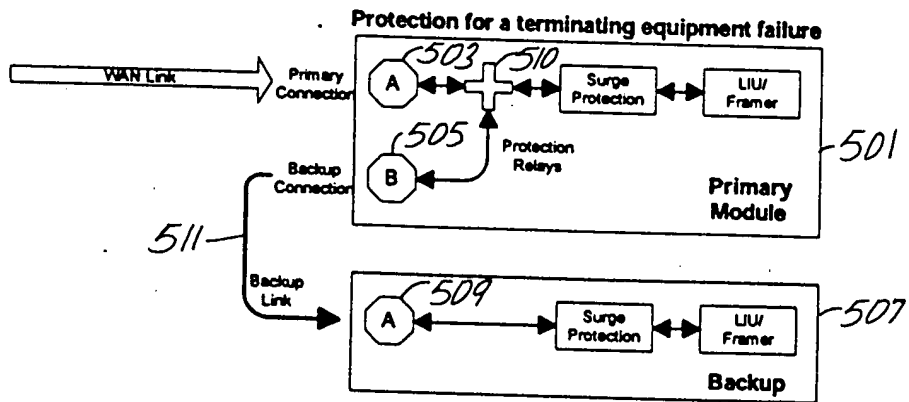


Fig. 23

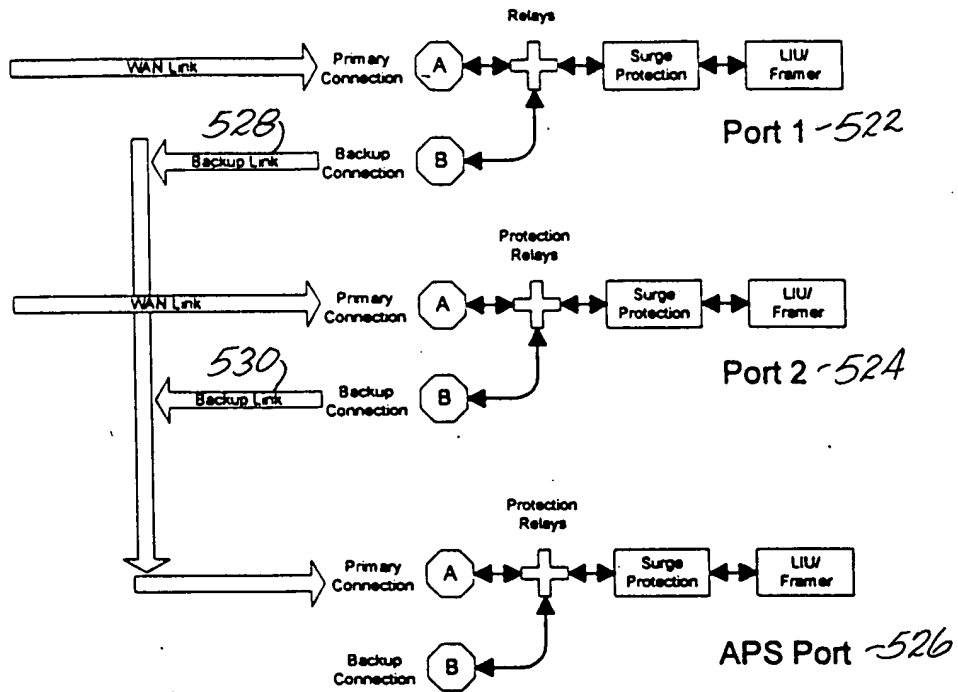


Fig. 24



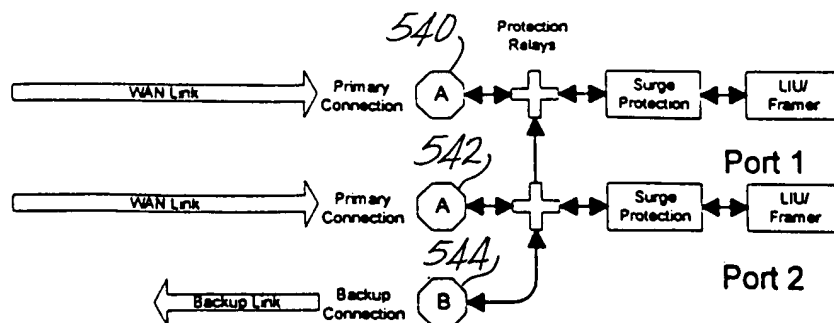
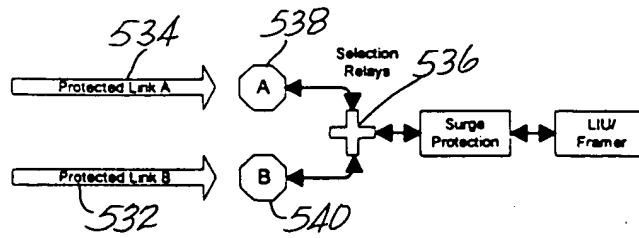
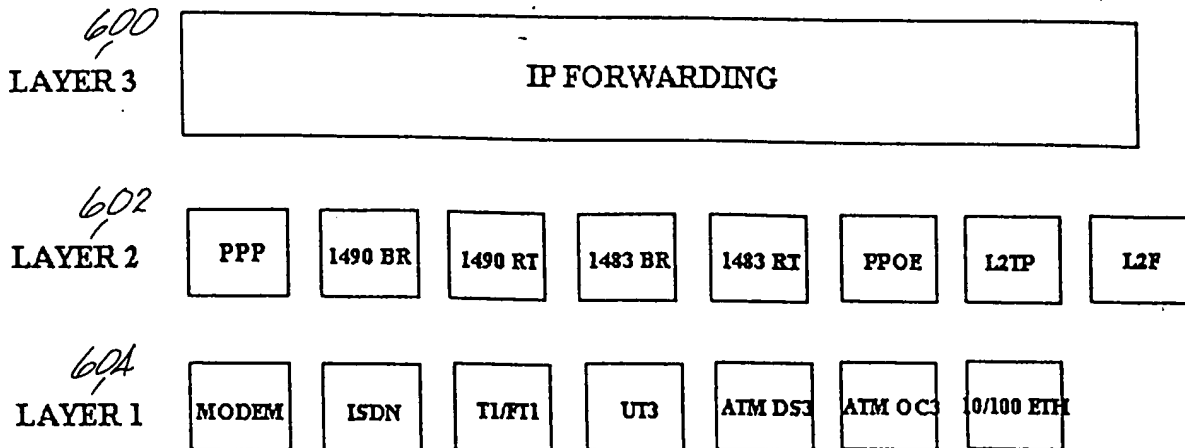


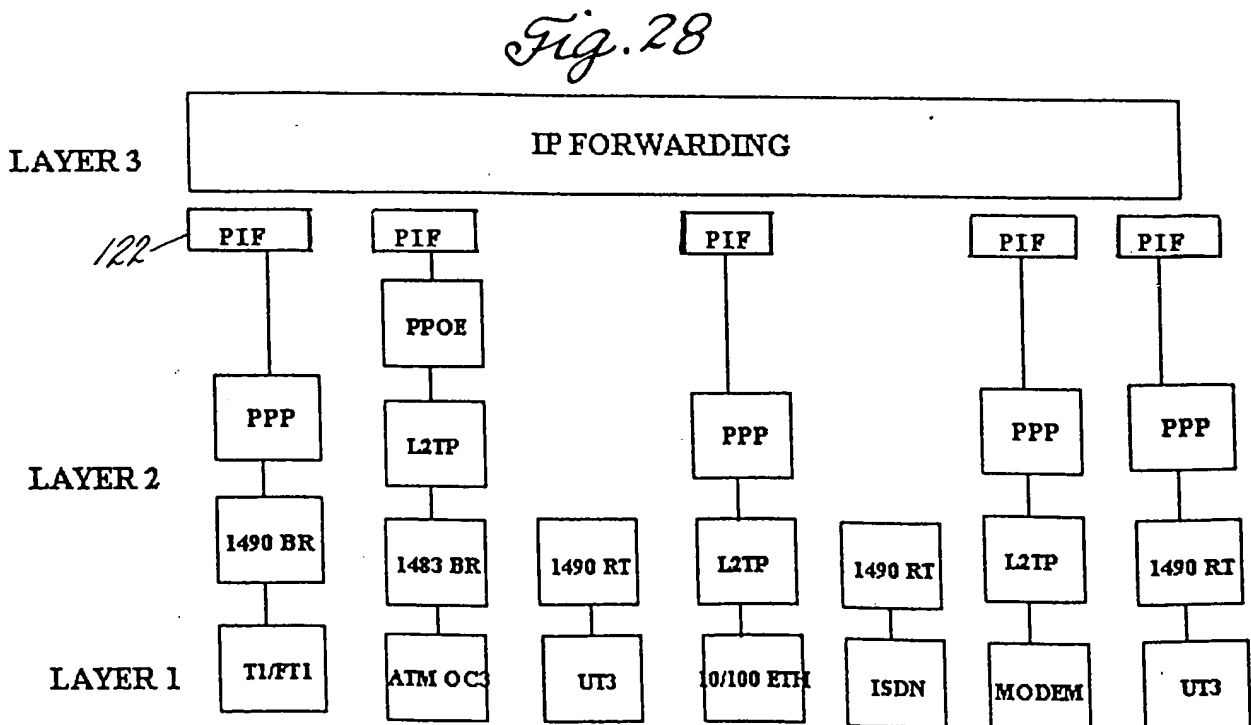
Fig. 25



*Fig. 26*



*Fig. 27*



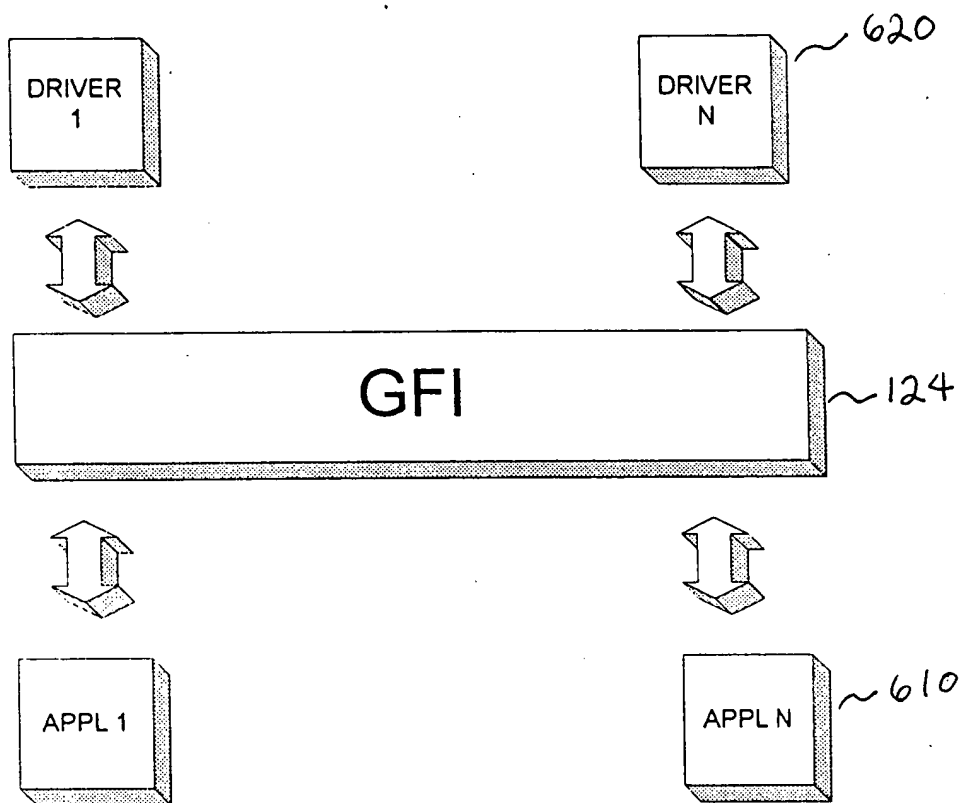


Fig 29

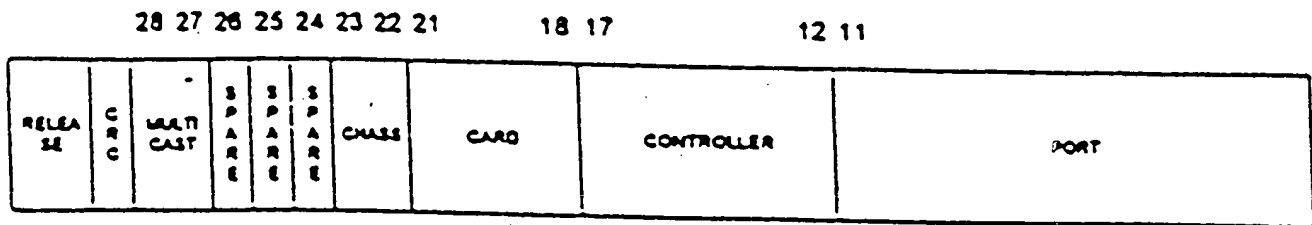


[illegible]

Fig 32



# OUTPUT PORT FORMAT



714

Fig 34



### Port Addr Range

Type

## Chess

**Card**

Control

0-19	Well Known Internal Multicast Address	NA	NA	0
20-39	Well Known Internal Unicast Address	NA	Card Num	0
40-79	Well Known External Multicast Address	NA	NA	0
80-511	Dynamic External Multicast Address	NA	NA	0
512-2048	Remote Port Address	Chassis Num	Card Num	0

Fig. 35

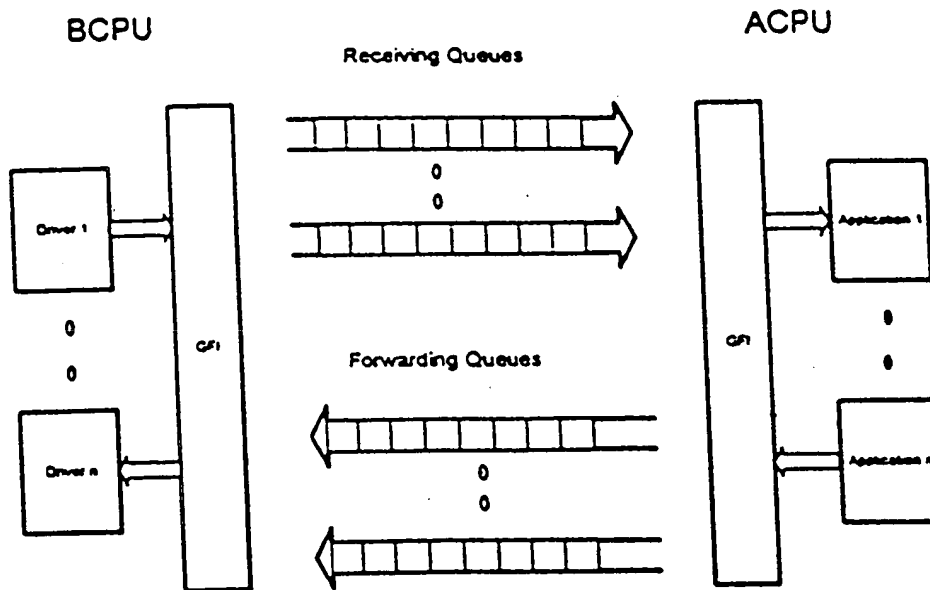


Fig 36